

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1, 5, and 16 as shown below.

Please **ADD** claims 19-20 as shown below.

The following is a complete list of all claims in this application.

1. (Currently Amended) A plasma display panel comprising:

a front substrate;

sustain and scan electrodes formed in a striped pattern on a bottom of said front substrate;

a bus electrode formed on a bottom of each said sustain and scan electrodes;

a dielectric layer formed on a bottom of said front substrate to cover said sustain, scan,
and bus electrodes;

a protective layer formed on a bottom of said dielectric layer;

a rear substrate disposed opposite said front substrate;

address electrodes formed on a top of said rear substrate to be orthogonal to said sustain
electrodes;

partition walls formed on said address electrodes parallel to said address electrodes,
adjacent pairs of said partition walls defining discharge spaces, and ones of said partition walls
having different corresponding widths, wherein the width of each of said partition walls
decreases from a periphery of said rear substrate toward a center of said rear substrate; and

red, green and blue phosphor layers deposited on corresponding insides of pairs of said
partition walls.

2. (Original) The plasma display panel of claim 1, further comprising another dielectric layer to cover said address electrodes.

3. (Original) The plasma display panel of claim 2, wherein the width of each of said partition walls decreases from a periphery of said rear substrate toward a center of said rear substrate in proportion to a voltage drop experienced by said bus electrodes.

4. (Original) The plasma display panel of claim 2, wherein the discharge spaces gradually become narrower from a center of said rear substrate toward a periphery of said rear substrate corresponding to a change in the width of each of said partition walls.

5. (Currently Amended) A plasma display panel comprising:
a first substrate and a second substrate;
first electrodes disposed on said first substrate in a first direction;
a dielectric layer disposed on said first substrate to cover said first electrodes;
a protective layer formed on a bottom of said dielectric layer;
second electrodes disposed on said second substrate opposite said first electrodes in a second direction non-parallel with the first direction;
partition walls disposed between said second electrodes and said first electrodes, wherein said partition walls are disposed in the second direction and adjacent pairs of said partition walls define discharge spaces therebetween, ones of the discharge spaces having different areas that increase from a periphery of said rear substrate toward a center of said rear substrate; and
phosphor layers disposed in corresponding pairs of said partition walls.

6. (Original) The plasma display panel of claim 5, wherein:
said first electrodes further comprise corresponding bus electrodes, and
the areas of ones of the discharge spaces change in accordance with a voltage drop
experienced by ones of the bus electrodes due to line resistance during operation of the plasma
display panel.

7. (Original) The plasma display panel of claim 5, wherein the areas of ones of the
discharge spaces change in accordance with a distance of the corresponding pairs of said
partition walls from a center of said second substrate.

8. (Original) The plasma display panel of claim 7, wherein the areas of each of the
discharge spaces decrease in accordance with the distance from the center.

9. (Original) The plasma display panel of claim 5, wherein:
said first electrodes further comprise corresponding bus electrodes, and
widths of ones of said partition walls change in accordance with a voltage drop
experienced by ones of the bus electrodes due to line resistance during operation of the plasma
display panel.

10. (Original) The plasma display panel of claim 5, wherein widths of ones of said
partition walls change in accordance with a distance of said partition walls from a center of said
second substrate.

11. (Original) The plasma display panel of claim 10, wherein the widths of each of said partition walls increase in accordance with the distance of said partition walls from the center of said second substrate.

12. (Original) The plasma display panel of claim 11,
further comprising another dielectric layer disposed on said second substrate to cover the address electrodes, and
wherein said partition walls are disposed on said another dielectric layer, and
said second electrodes comprise address electrodes disposed between corresponding adjacent pairs of said partition walls.

13. (Original) A plasma display panel comprising:
a first substrate and a second substrate;
first electrodes disposed on said first substrate in a first direction, said first electrodes including corresponding bus electrodes;
a dielectric layer disposed on said first substrate to cover said first electrodes;
a protective layer formed on a bottom of said dielectric layer;
second electrodes disposed on said second substrate opposite said first electrodes in a second direction non-parallel with the first direction;
partition walls disposed between said second electrodes and said first electrodes, where said partition walls are disposed in the second direction and adjacent pairs of said partition walls define discharge spaces therebetween; and

phosphor layers disposed in corresponding discharge spaces,

wherein a luminescence of the plasma display panel is maintained while increasing an opening ratio of the discharge spaces as the discharge spaces approach a center of said second substrate to account for a voltage drop in ones of the bus electrodes of said first electrodes due to line resistance during operation of the plasma display panel.

14. (Original) The plasma display panel of claim 13, wherein an amount of phosphor in ones of said phosphor layers changes as a function of a proximity of said phosphor layer to the center of said second substrate.

15. (Original) The plasma display panel of claim 14, wherein the amount of the phosphor in each of said phosphor layers increases as the function of the proximity of said phosphor layer to the center of said second substrate.

16. (Currently Amended) A rear plate for use in a plasma display panel, comprising:
a substrate;
electrodes disposed on said substrate in a direction;
partition walls disposed on said substrate in the direction to define discharge spaces therebetween; and

phosphor layers disposed in corresponding discharge spaces, wherein at least three of the partition walls have different widths which decrease from a periphery of said substrate toward a center of said substrate ~~widths of ones of said partition walls change as a function of location on said substrate.~~

17. (Original) The rear plate of claim 16, wherein the widths of ones of said partition walls change to increase areas of corresponding discharge spaces as a function of a proximity of the discharge space to a center of said substrate.

18. (Original) The rear plate of claim 17, wherein the widths of each said partition walls decrease the closed said partition walls are to the center.

19. (New) A plasma display panel, comprising:
a first substrate;
a second substrate arranged above the first substrate;
address electrodes formed on the first substrate;
partition walls formed on the first substrate, wherein an area between adjacent partition walls defines discharge spaces;
a first discharge space having a first width;
a second discharge space adjacent the first discharge space having a second width;
a third discharge space adjacent the second discharge space having a third width, wherein the first width is smaller than the second width and the first width is smaller than the third width.

20. (New) The plasma display panel of claim 19, wherein a size of the first width and the second width are formed to compensate for a change in a voltage waveform due to a voltage drop.